

March 25, 2016



U.S. Department  
of Transportation

East Building, PHH-30  
1200 New Jersey Avenue S.E.  
Washington, D.C. 20590

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 16612

EXPIRATION DATE: February 28, 2018
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(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Unipart North America Limited  
Oxford, United Kingdom

US AGENT: Unipart Services America Inc.  
Montvale, NJ

2. PURPOSE AND LIMITATION:

a. This special permit authorizes the transportation in commerce of lithium ion batteries exceeding the 35 kg maximum net weight per package limitation aboard cargo aircraft only. This special permit provides no relief from the Hazardous Materials Regulations (HMR) or the International Civil Aviation Organization's Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO TI) other than as specifically stated herein. The most recent revision supersedes all previous revisions.

b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce.

c. No party status will be granted to this special permit.

d. This special permit serves as an approval under 49 CFR § 173.185(b)(5), Section 1A.2 of Packing Instruction 965 of the ICAO TI, Special Provision A99 of the ICAO TI and as a "Competent Authority Approval" as defined under 49 CFR § 107.1.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180 and the ICAO TI.

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4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.102(c)(2), Special Provision A54 in that lithium ion batteries may not exceed 35 kg per package when transported by cargo aircraft, except as provided herein.
5. BASIS: This special permit is based on the application of Unipart North America Limited dated November 13, 2015 submitted in accordance with § 107.105 and the public proceeding thereon.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

<b>Hazardous Materials Description</b>			
<b>Proper Shipping Name</b>	<b>Hazard Class/ Division</b>	<b>Identification Number</b>	<b>Packing Group</b>
Lithium ion batteries	9	UN3480	N/A

7. SAFETY CONTROL MEASURES:
- a. PACKAGING - Each battery must be packaged in accordance with § 173.185(b), Section IA of Packing Instruction 965 of the ICAO TI and the following:
- (i) INNER PACKAGING - Non-metallic inner packaging containing one (1) battery surrounded by cushioning material that is non-combustible and nonconductive.
  - (ii) OUTER PACKAGING - A strong, rigid wooden crate.
  - (iii) Each outer packaging may contain not more than one (1) lithium ion battery.
- b. OPERATIONAL CONTROLS -
- (1) The authorized lithium ion batteries designated as P1 batteries-Type AXE-1000750 (maximum 568 V; 4.71 kWh) are composed of 324 AHR32113-ULTRA-B cells as specified in the application dated November 9, 2015 and on file with the Office of Hazardous Materials Safety Approvals and Permits Division.

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(2) Each battery must have a strong, impact resistant outer casing as per ICAO TI Packing Instruction 965 Section 1A.2 and § 173.185(b)(5).

(3) The battery net weight in an outer packaging may not exceed 98 kg.

(4) The state of charge of the batteries must not exceed 30 % during transportation.

c. Testing Requirements:

(1) All lithium ion cells must be of a type that have passed all required tests as specified in the "UN Manual of Tests and Criteria, 5<sup>th</sup> Revised Edition."

(2) All lithium ion batteries must be of a type that have passed all required tests as specified in the "UN Manual of Tests and Criteria, 5<sup>th</sup> Revised Edition."

(3) All batteries must be protected against short-circuiting.

8. Marking Requirements: Each package, and overpack if used, prepared under the provisions of this Special Permit must be plainly marked with the number: DOT-SP 16612.

9. SPECIAL PROVISIONS:

a. Under the terms of this special permit, the grantee may only offer hazardous materials (i.e., the grantee is not authorized as a carrier).

b. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package and it is reoffered for transportation in conformance with this special permit, the HMR and the ICAO TI.

c. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

d. This special permit in no way affects the need to obtain any required authorizations from other agencies of the United States Government or from the competent authorities of countries of origin, transit and destination.

10. MODES OF TRANSPORTATION AUTHORIZED: Cargo aircraft only.
11. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each aircraft used to transport packages covered by this special permit. The shipper must furnish a copy of this special permit to the air carrier before or at the time the shipment is tendered.
12. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
  - o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
  - o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
  - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special

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permit to be granted up to two years for new special permits and up to four years for renewals.

13. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Dr. Magdy El-Sibaie  
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at [http://hazmat.dot.gov/sp\\_app/special\\_permits/spec\\_perm\\_index.htm](http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm). Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: HWANG